

What is claimed is:

1. An apparatus for masking a workpiece coated with a photosensitive layer, to prevent exposure of select regions of the photosensitive layer, comprising:  
5 a workpiece pre-aligner for movably supporting and aligning the workpiece; and  
an ink delivery device arranged to be in communication with the photosensitive layer of the workpiece for providing a masking pattern of opaque ink on a photosensitive layer.

10 2. An apparatus according to claim 1, wherein the ink delivery device is connected to a control unit that controls the deposition of ink onto the photosensitive layer.

15 3. An apparatus according to claim 1, wherein the pre-aligner includes a rotation member capable of engaging and rotating the workpiece.

20 4. An apparatus according to claim 1, wherein the pre-aligner includes a movable arm capable of engaging and supporting the workpiece, wherein the arm is in operative communication with a workpiece stage of a lithography tool.

25 5. An apparatus according to claim 1, wherein the photosensitive layer is a negative- tone dry film resist.

6. An apparatus according to claim 2, wherein the control unit is connected to the pre-aligner so that information about the workpiece state can be provided to the control unit.

30 7. An apparatus according to claim 6, wherein the control unit is connected to a main controller of a lithography system.

8. An apparatus according to claim 1, wherein the pre-aligner is part of a lithography tool.

35 9. An apparatus according to claim 1, wherein the ink delivery device delivers fast-drying ink that adheres to MYLAR®.

10. An apparatus according to claim 1, wherein the ink delivery device is movable over the workpiece.

11. An apparatus according to claim 2, wherein the controller is programmable so as to form a desired masking pattern on the workpiece.

12. An apparatus according to claim 1, wherein the ink delivery device includes an inkjet head.

13. A method of selectively masking a photosensitive workpiece, comprising:  
selecting one or more regions of the photosensitive workpiece surface to remain unexposed; and  
masking the one or more select regions of the workpiece with a layer of ink that is opaque to a wavelength of radiation that activates the photosensitive workpiece.

14. A method according to claim 13, wherein the masking includes depositing the layer of ink with an inkjet head.

15. A method according to claim 14, including programming an inkjet head control unit connected to the inkjet head to control the deposition of ink.

16. A method according to claim 15, including coordinating the deposition of ink with the movement of the workpiece.

17. A method according to claim 14, wherein masking the workpiece includes moving the workpiece underneath the inkjet head.

18. A method according to claim 13 wherein the workpiece is round and has an edge, and the one or more select regions include a narrow annulus adjacent the workpiece edge.

19. A method according to claim 13, wherein the masking includes forming one or more alphanumeric characters.

20. A method according to claim 13, wherein the masking includes forming a

bar code.

21. A method according to claim 13, wherein the masking is formed outside of an area of the workpiece where exposure fields are to be formed.

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